

APPENDIX IV

LAND USE/LAND COVER	AREAS IN HUC-10 SUBWATERSHEDS (ACRES)			
	02	03	04	05
Bare Rock/Sand/Clay	0			3
Deciduous Forest	47,245	17,622	67,892	18,046
Emergent Herbaceous Wetlands	25	1		17,146
Evergreen Forest	49,509	24,826	44,746	
High Intensity: Commercial/Industrial/Transportation	222	5	239	769
High Intensity: Residential	7		19	81
Low Intensity: Residential	377	2	372	1,164
Mixed Forest	33,491	11,197	40,965	21,601
Open Water	6,456	24	2,574	6,993
Other Grasses: Urban/Recreational	86		103	946
Pasture/Hay	10,582	1,809	12,943	39,439
Row Crops	2,590	1	4,092	10,683
Transitional	679	24	1,382	298
Woody Wetlands	40	230		
Total	151,308	55,741	175,327	117,169

Table A4-1. Land Use Distribution in the Tennessee Portion of the Little Tennessee River Watershed by HUC-10. Data are from 1992 Multi-Resolution Land Characterization (MRLC) derived by applying a generalized Anderson Level II system to mosaics of Landsat thematic mapper images collected every five years.

HYDROLOGIC SOIL GROUPS	
GROUP A SOILS	have low runoff potential and high infiltration rates even when wet. They consist chiefly of sand and gravel and are well to excessively drained.
GROUP B SOILS	have moderate infiltration rates when wet and consist chiefly of soils that are moderately deep to deep, moderately to well drained, and moderately coarse to coarse textures.
GROUP C SOILS	have low infiltration rates when wet and consist chiefly of soils having a layer that impedes downward movement of water with moderately fine to fine texture.
GROUP D SOILS	have high runoff potential, very low infiltration rates, and consist chiefly of clay soils.

Table A4-2. Hydrologic Soil Groups in Tennessee as Described in WCS.

STATION	HUC-10	AGENCY	STREAM NAME	AREA (SQ MILES)	LOW FLOW (CFS)		
					1Q10	7Q10	3Q20
03517900	0601020402	USGS	Calderwood Lake				
03518000	0601020402	USGS	Little Tennessee River	1,862	200	1,200	750
03518200	0601020402	USGS	Chilhowee Lake				
03518300	0601020402	USGS	Little Tennessee River	1,987	1,200	1,350	1,200
03518400	0601020402	USGS	North Fork Citico Creek				
03519500	0601020402	USGS	Little Tennessee River	2,443	1,400	1,700	1,600
03518470	0601020404	USGS	Bald River	21.7	7.8	8.3	7.1
03518500	0601020404	USGS	Tellico River	118	29.2	31.4	26.6
03518700	0601020404	USGS	Cane Creek	18.2	1.16	1.26	1.02
03519000	0601020404	USGS	Tellico River	271	47.5	51.2	43.0
03519500	0601020405	USGS	Little Tennessee River	2,443	1,400	1,700	1,600
03519600	0601020405	USGS	Island Creek	11.2	1.21	1.30	1.12
03519610	0601020405	USGS	Baker Creek				
03519630	0601020405	USGS	Griffiths Branch				
03519640	0601020405	USGS	Baker Creek	16.0	1.7	1.9	1.4
03519650	0601020405	USGS	Little Baker Creek				
03519700	0601020405	USGS	Bat Creek	30.7	5.62	5.81	5.18
354639084153401	0601020405	TVA	Little Tennessee River				

Table A4-3. Historical Streamflow Data Summary Based on Mean Daily Flows in the Tennessee Portion of the Little Tennessee River Watershed. USGS, United States Geological Survey; TVA, Tennessee Valley Authority. Additional information may be found at:
<http://nwis.waterdata.usgs.gov/tn/nwis/discharge>

AGENCY	STATION	ALIAS	LOCATION	HUC-10
TDEC			Abrams Creek	0601020401
TDEC	CENTE000.3BT		Centenary Creek @ RM 0.3	0601020401
TDEC	CHILHOWEE02		Chilhowee Reservoir at Abrams Creek	0601020401
TDEC	CHILHOWEE01		Chilhowee Reservoir at Dam	0601020401
TDEC	CITCI000.0HM	00650	Citico Creek @ RM0.0	0601020401
TDEC	GRASS000.0MO	GRASSYCREEKIS01	Grassy Creek at RM 0.0	0601020401
TDEC	LNINE000.5BT		Little Ninemile Creek @ RM 0.5	0601020401
TDEC	LTENN019.2MO	1735	Little Tennessee River @ RM 19.2	0601020401
TDEC	LTENN032.8BT	1730	Little Tennessee River @ RM 32.8	0601020401
TDEC	NINEM004.8BT		Ninemile Creek @ RM 4.8	0601020401
TDEC	SIXMI001.3BT		Sixmile Creek @ RM 1.3	0601020401
TVA	477631		Abrams Creek @ RM 8.57	0601020401
TVA	477632		Citico Creek @ RM 3.79	0601020401
TVA	477633		Citico Creek @ RM 9.80	0601020401
TVA	476979		Clear Creek @ RM 0.02	0601020401
TVA	477410		Harrison Branch @ RM 1.4	0601020401
TVA	477024		Little Tennessee River @ RM 11.5	0601020401
TVA	476307		Little Tennessee River @ RM 18.0	0601020401
TVA	476459		Little Tennessee River @ RM 19.0	0601020401
TVA	477412		Little Tennessee River @ RM 19.2	0601020401
TVA	476263		Little Tennessee River @ RM 19.5	0601020401
TVA	476460		Little Tennessee River @ RM 20.0	0601020401
TVA	476295		Little Tennessee River @ RM 21.0	0601020401
TVA	476461		Little Tennessee River @ RM 22.0	0601020401
TVA	476976		Little Tennessee River @ RM 22.55	0601020401
TVA	476462		Little Tennessee River @ RM 23.0	0601020401
TVA	476308		Little Tennessee River @ RM 24.0	0601020401
TVA	476463		Little Tennessee River @ RM 25.0	0601020401
TVA	476464		Little Tennessee River @ RM 26.0	0601020401
TVA	476465		Little Tennessee River @ RM 27.0	0601020401
TVA	476296		Little Tennessee River @ RM 27.5	0601020401
TVA	476466		Little Tennessee River @ RM 28.0	0601020401
TVA	476264		Little Tennessee River @ RM 29.0	0601020401
TVA	476467		Little Tennessee River @ RM 30.0	0601020401
TVA	476468		Little Tennessee River @ RM 31.0	0601020401
TVA	476469		Little Tennessee River @ RM 32.0	0601020401
TVA	476297		Little Tennessee River @ RM 33.0	0601020401
TVA	475388		Little Tennessee River @ RM 33.6	0601020401
TVA	476234		Little Tennessee River @ RM 33.61	0601020401
TVA	476972		Little Tennessee River @ RM 34.0	0601020401
TVA	477022		Little Tennessee River @ RM 34.5	0601020401
TVA	475856		Little Tennessee River @ RM 35.0	0601020401
TVA	476971		Little Tennessee River @ RM 37.0	0601020401
TVA	477021		Little Tennessee River @ RM 41.5	0601020401

AGENCY	STATION	ALIAS	LOCATION	HUC-10
TVA	476970		Little Tennessee River @ RM 41.9	0601020401
TVA	475526		Little Tennessee River @ RM 42.4	0601020401
TVA	476233		Little Tennessee River @ RM 43.61	0601020401
TVA	477096		Little Tennessee River @ RM 46.0	0601020401
TVA	477413		Ninemile Creek @ RM 2.3	0601020401
TVA	475848		Tellico River @ RM 28.2	0601020401
TVA	476309		Tellico River @ RM 3.0	0601020401
USEPA			Calderwood Lake	0601020401
USEPA			Indian Boundary Lake	0601020401
USEPA			Twenty Mile Creek	0601020401
USFS	40429		Citico Creek	0601020401
USFS	40428		Citico Creek Above Warden Field	0601020401
USFS	40421		Indian Boundary Lake #1	0601020401
USFS	40422		Indian Boundary Lake #2	0601020401
USFS	40423		Indian Boundary Lake #3	0601020401
USFS	180001		North River	0601020401
USFS	180004		North River	0601020401
USFS	180005		North River	0601020401
TDEC			Abrams Creek	0601020403
TVA	477630		Abrams Creek @ RM 15.43	0601020403
TVA	477627		Abrams Creek @ RM 15.87	0601020403
TVA	477626		Abrams Creek @ RM 16.58	0601020403
TVA	477625		Abrams Creek @ RM 18.34	0601020403
TVA	477624		Abrams Creek @ RM 19.95	0601020403
TVA	477623		Abrams Creek @ RM 20.82	0601020403
TVA	477622		Abrams Creek @ RM 21.28	0601020403
TVA	477634		Abrams Creek @ RM 22.34	0601020403
TVA	477631		Abrams Creek @ RM 8.57	0601020403
TVA	477637		Maple Creek @ RM 0.84	0601020403
TVA	477638		Maple Creek @ RM 0.84	0601020403
TVA	477629		Mill Creek @ RM 0.09	0601020403
TVA	477628		Mill Creek @ RM 2.15	0601020403
TVA	476470		Tellico River @ RM 1.25	0601020403
TDEC	LAURE000.0MO		Laurel Creek @ RM0.0	0601020404
TDEC	HEMLO000.0MO	HEMLOCKBRIS01	Hemlock Branch @ RM 0.0	0601020404
TDEC	LAURE000.0MO	LAURELBRIS01	Laurel Branch RM 0.0	0601020404
TDEC	MCNAB000.0MO	MCNABBCREEKIS01	McNabb Creek @ RM 0.0	0601020404
TDEC			North River	0601020404
TDEC	TELLI022.0MO		Tellico River @ RM 22.0	0601020404
TVA	475472		Bat Creek @ RM 19.95	0601020404
TVA	477410		Harrison Branch @ RM 1.4	0601020404
TVA	477411		Island Creek @ RM 2.6	0601020404
TVA	476307		Little Tennessee River @ RM 18.0	0601020404
TVA	477412		Little Tennessee River @ RM 19.2	0601020404

AGENCY	STATION	ALIAS	LOCATION	HUC-10
TVA	477412		Little Tennessee River @ RM 19.2	0601020404
TVA	476976		Little Tennessee River @ RM 22.55	0601020404
TVA	476308		Little Tennessee River @ RM 24.0	0601020404
TVA	476264		Little Tennessee River @ RM 29.0	0601020404
TVA	476469		Little Tennessee River @ RM 32.0	0601020404
TVA	476297		Little Tennessee River @ RM 33.0	0601020404
TVA	475388		Little Tennessee River @ RM 33.6	0601020404
TVA	476234		Little Tennessee River @ RM 33.61	0601020404
TVA	476972		Little Tennessee River @ RM 34.0	0601020404
TVA	477022		Little Tennessee River @ RM 34.5	0601020404
TVA	477096		Little Tennessee River @ RM 46.0	0601020404
TVA	477409		Notchy Creek @ RM 2.2	0601020404
TVA	476293		Tellico River @ RM 1.0	0601020404
TVA	476470		Tellico River @ RM 1.25	0601020404
TVA	476298		Tellico River @ RM 15.0	0601020404
TVA	476975		Tellico River @ RM 2.9	0601020404
TVA	475458		Tellico River @ RM 27.2	0601020404
TVA	475454		Tellico River @ RM 28.13	0601020404
TVA	475848		Tellico River @ RM 28.2	0601020404
TVA	476309		Tellico River @ RM 3.0	0601020404
TVA	476974		Tellico River @ RM 4.9	0601020404
TVA	476294		Tellico River @ RM 5.0	0601020404
TVA	476310		Tellico River @ RM 7.0	0601020404
TVA	476973		Tellico River @ RM 7.8	0601020404
TVA	475544		UT To Bat Creek @ RM 0.52	0601020404
USFS	40402		Big Cove Station	0601020404
USFS	40407		Long Branch Station	0601020404
USFS	180006		McNabb Creek @ RM 0.0	0601020404
USFS	180001		North River at Grassy Branch Mouth	0601020404
USFS	180002		North River at Hemlock Creek Mouth	0601020404
USFS	180004		North River at Hemlock Creek Mouth	0601020404
USFS	180003		North River at McNabb Creek Mouth	0601020404
USFS	40403		North River Station	0601020404
USFS	40408		North River Station	0601020404
USFS	40409		North River Station	0601020404
USFS	40410		North River Station	0601020404
USFS	40411		North River Station	0601020404
USFS	40404		Queens Cove Station	0601020404
USFS	40401		Sugar Cove Station	0601020404
USFS	40424		Tellico River Station	0601020404
USFS	40425		Tellico River Station	0601020404
USFS	40406		Unnamed Tributary	0601020404
USFS	40405		Upper Tellico Station	0601020404
TDEC	BAKER008.9LO		Baker Creek @ RM 8.9	0601020405

AGENCY	STATION	ALIAS	LOCATION	HUC-10
TDEC	BAKER008.9LO		Baker Creek @ RM 8.9	0601020405
TDEC	BAT008.1MO		Bat Creek @ RM 8.1	0601020405
TDEC	FORK004.6MO		Fork Creek @ RM 4.6	0601020405
TDEC	ISLAN003.2MO		Island Creek @ RM 3.2	0601020405
TVA	476300		Baker Creek @ RM 2.0	0601020405
TVA	475530		Bat Creek @ RM 18.95	0601020405
TVA	475472		Bat Creek @ RM 19.95	0601020405
TVA	476979		Clear Creek @ RM 0.02	0601020405
TVA	477408		Clear Creek @ RM 0.5	0601020405
TVA	476978		Island Creek @ RM 0.15	0601020405
TVA	476299		Island Creek @ RM 1.4	0601020405
TVA	477411		Island Creek @ RM 2.6	0601020405
TVA	477406		Little Tennessee River @ RM 0.6	0601020405
TVA	476262		Little Tennessee River @ RM 10.0	0601020405
TVA	476452		Little Tennessee River @ RM 11.0	0601020405
TVA	477024		Little Tennessee River @ RM 11.5	0601020405
TVA	476453		Little Tennessee River @ RM 12.0	0601020405
TVA	476454		Little Tennessee River @ RM 13.0	0601020405
TVA	476455		Little Tennessee River @ RM 14.0	0601020405
TVA	476456		Little Tennessee River @ RM 15.0	0601020405
TVA	476457		Little Tennessee River @ RM 16.0	0601020405
TVA	476283		Little Tennessee River @ RM 16.55	0601020405
TVA	476458		Little Tennessee River @ RM 17.0	0601020405
TVA	476459		Little Tennessee River @ RM 19.0	0601020405
TVA	476447		Little Tennessee River @ RM 2.0	0601020405
TVA	477382		Little Tennessee River @ RM 2.5	0601020405
TVA	476304		Little Tennessee River @ RM 3.0	0601020405
TVA	475503		Little Tennessee River @ RM 4.0	0601020405
TVA	476261		Little Tennessee River @ RM 5.0	0601020405
TVA	476448		Little Tennessee River @ RM 6.0	0601020405
TVA	476062		Little Tennessee River @ RM 6.78	0601020405
TVA	476449		Little Tennessee River @ RM 7.0	0601020405
TVA	476305		Little Tennessee River @ RM 7.5	0601020405
TVA	476450		Little Tennessee River @ RM 8.0	0601020405
TVA	476451		Little Tennessee River @ RM 9.0	0601020405
TVA	477413		Ninemile Creek @ RM 2.3	0601020405
TVA	476977		Tellico River @ RM 0.12	0601020405
TVA	477407		Unnamed Tributary @ RM 0.45	0601020405
TVA	477414		Unnamed Tributary @ RM 0.8	0601020405
TVA	475544		UT to Bat Creek @ RM 0.52	0601020405
TVA	475535		UT to Bat Creek @ RM 1.56	0601020405

Table A4-4. STORET Water Quality Monitoring Stations in the Tennessee Portion of the Little Tennessee River Watershed. TDEC, Tennessee Department of Environment and Conservation; RM, River Mile; USFS, United States Forest Service; TVA, Tennessee Valley Authority. UT, Unnamed Tributary.

FACILITY NUMBER	FACILITY NAME	SIC	SIC NAME	MADI	WATERBODY	HUC-10
TN0065510	ALCOA-Calderwood Power House Hydro Plant	4911	Electric Service	Minor	Little Tennessee River @ RM 43.6	0601020402
TN0065528	Alcoa-Chilhowee Power House Hydro Plant	4911	Electric Service	Minor	Little Tennessee River @ RM 33.6	0601020402
TN0024953	Tellico Plains STP	4952	Sewerage System	Minor	Tellico River @ RM 27.5	0601020404
TN0062243	Greenback School	4952	Sewerage System	Minor	UT @mile 1.3 to Baker Creek @ RM 5.9	0601020405
TN0058238	Niles Ferry Wastewater Treatment Facility	4952	Sewerage System	Minor	Little Tennessee River @ RM 18.6	0601020405
TN0062316	Foothills Pointe Owners Association, Incorporated	4952	Sewerage System	Minor	Tellico Reservoir (Little Tennessee River) @ RM 13.4	0601020405
TN0025020	Madisonville STP	4952	Sewerage System	Minor	Bat Creek @ RM 19.3	0601020405
TN0054909	Hiwassee College STP	4952	Sewerage System	Minor	Bat Creek @ RM 16.4	0601020405

Table A4-5. NPDES Permittees in the Tennessee Portion of the Little Tennessee River Watershed. RM, River Mile; SIC, Standard Industrial Classification; MADI, Major Discharge Indicator; UT, Unnamed Tributary.

FACILITY NUMBER	PERMITEE	COUNTY	LIVESTOCK	WATERBODY	HUC-10
TNA000136	Harrison Dairy	Loudon	Dairy Cow	Fork Creek	0601020405

Table A4-6. CAFO Sites in the Tennessee Portion of the Little Tennessee River Watershed.

FACILITY NUMBER	PERMITEE	SIC	SIC NAME	WATERBODY	HUC-10
TN0068969	Craighead Limestone Co. (Craighead Limestone Quarry)	1422	Limestone-Crushed and Broken	Fork Creek	0601020403
TN0072869	TVM/TSW (Andies Quarry)	1411	Marble Quarrying	UT to Sinking Creek	0601020403
TN0072346	Vulcan Construction Materials (Madisonville Quarry)	1422	Limestone-Crushed and Broken	UT to Fork Creek	0601020403

Table A4-7. Active Permitted Mining Sites in the Tennessee Portion of the Little Tennessee River Watershed. SIC, Standard Industrial Classification; UT, Unnamed Tributary.

FACILITY NUMBER	FACILITY NAME	WATERBODY	HUC-10
TNG110091	Harrison Ready Mix	UT to Craighead Creek	0601020405
TNG110234	R&S Concrete	Tennessee River @ RM 601	0601020405

Table A4-8. Ready Mix Concrete Plants in the Tennessee Portion of the Little Tennessee River Watershed. RM, River Mile; UT, Unnamed Tributary.

LOG NUMBER	COUNTY	DESCRIPTION	WATERBODY	HUC-10
NRS00.129	Blount	Impoundment of Intermittent Stream	UT to Four Mile Creek	0601020402
NRS03.055	Blount	TAPOCO Hydropower	Little Tennessee River	0601020402
NRS02.222	Monroe	Covered Pedestrian Bridge	Tellico River	0601020404
NRS03.230	Loudon	Dredging and Bank Stabilization	Little Tennessee River	0601020405

Table A4-9. Individual ARAP Permits Issued January 2000 Through June 2004 in the Tennessee Portion of the Little Tennessee River Watershed. UT, Unnamed Tributary.

FACILITY NUMBER	FACILITY NAME	SECTOR	RECEIVING STREAM	AREA*	HUC-10
TNR054370	Griffitts Drilling and Seals	Y	Little Nine Mile Creek	0.5	0601020402
TNR054371	Southern Precision Tooling	AB	Little Nine Mile Creek	0.5	0601020402
TNR056455	Amburns Auto Salvage	M	WWC to Fourmile Creek	21	0601020404
TNR051154	Tellico Mountain Motors	M	UT to Tellico Reservoir	3	0601020404
TNR054594	Gilded Motors	E	Baker Creek	4.75	0601020405
TNR053617	Skiers Choice, Inc.	R	Culton Creek	8	0601020405
TNR050476	Wyko, Inc.	AB	Baker Creek	5.5	0601020405
TNR053483	AcuPowder Tennessee	F	UT to Baker Creek	18	0601020405
TNR054313	Proffitts Machining, Inc.	AB	Unknown	1	0601020405
TNR050532	PolyOne Corporation	Y	Little Tennessee River	10	0601020405
TNR051685	Havco Wood Products	J	Tellico lake	69	0601020405
TNR053277	Tennessee Watercraft	R	Tellico Lake	11.8	0601020405
TNR053412	Sea Ray Boats	R	Little Tennessee River (Tellico Lake Embayment)	39	0601020405
TNR056447	Tellico Resources Development Agency STP	T	Little Tennessee River	3.5	0601020405
TNR054262	Carlex Glass Company	E	Tellico lake	9.18	0601020405
TNR051483	Master Craft Boat Co.	R	Tellico lake	27	0601020405
TNR050644	Donald Lankford salvage	M	Burton Branch	3	0601020405
TNR054270	R&K Enterprises	A	Bat Creek	1	0601020405
TNR053357	Monroe County Airport	S, P	Bat Creek	0.2	0601020405

Table A4-10. Active Permitted TMSP Facilities in the Tennessee Portion of the Little Tennessee River Watershed. Area, acres of property associated with industrial activity; UT, Unnamed Tributary; WWC, Wet Weather Conveyance. Sector details may be found in Table A4-11.

SECTOR	TMSP SECTOR NAME
A	Timber Products Facilities
AA	Facilities That Manufacture Metal Products including Jewelry, Silverware and Plated Ware
AB	Facilities That Manufacture Transportation Equipment, Industrial or Commercial Machinery
AC	Facilities That Manufacture Electronic and Electrical Equipment and Components, Photographic and Optical Goods
AD	Facilities That Are Not Covered Under Sectors A Thru AC (Monitoring Required)
AE	Facilities That Are Not Covered Under Sectors A Thru AC (Monitoring Not Required)
B	Paper and Allied Products Manufacturing Facilities
C	Chemical and Allied Products Manufacturing Facilities
D	Asphalt Paving, Roofing Materials, and Lubricant Manufacturing Facilities
E	Glass, Clay, Cement, Concrete, and Gypsum Product Manufacturing Facilities
F	Primary Metals Facilities
G	Metal Mines (Ore Mining and Dressing) (RESERVED)
H	Inactive Coal Mines and Inactive Coal Mining-Related Facilities
I	Oil or Gas Extraction Facilities
J	Construction Sand and Gravel Mining and Processing and Dimension Stone Mining and Quarrying Facilities
K	Hazardous Waste Treatment Storage or Disposal Facilities
L	Landfills and Land Application Sites
M	Automobile Salvage Yards
N	Scrap Recycling and Waste and Recycling Facilities
O	Steam Electric Power Generating Facilities
P	Vehicle Maintenance or Equipment Cleaning areas at Motor Freight Transportation Facilities, Passenger Transportation Facilities, Petroleum Bulk Oil Stations and Terminals, the United States Postal Service, or Railroad Transportation Facilities
Q	Vehicle Maintenance Areas and Equipment Cleaning Areas of Water Transportation Facilities
R	Ship or Boat Building and Repair Yards
S	Vehicle Maintenance Areas, Equipment Cleaning Areas or From Airport Deicing Operations located at Air Transportation Facilities
T	Wastewater Treatment Works
U	Food and Kindred Products Facilities
V	Textile Mills, Apparel and other Fabric Product Manufacturing Facilities
W	Furniture and Fixture Manufacturing Facilities
X	Printing and Platemaking Facilities
Y	Rubber and Miscellaneous Plastic Product Manufacturing Facilities
Z	Leather Tanning and Finishing Facilities

Table A4-11. TMSP Sectors and Descriptions.